

SEQUENCE LISTING

<110> Maliga, Pal
 Silhavy, Daniel
 Sriraman, Priya

<120> Plastid Promoters for Transgene
 Expression in the Plastids of Higher Plants

<130> Rut 97-0097

<140> To be assigned
 <141> September 16, 2003

<150> 09/445,283
 <151> 1999-12-03

<150> PCT/US98/11437
 <151> 1998-06-03

<150> 60/058,670
 <151> 1997-09-12

<150> 60/048,376
 <151> 1997-06-03

<160> 64

<170> FastSEQ for Windows Version 3.0

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 <212> DNA
 <213> Zea mays

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 gaaatcgct ctattcatat gtatgaaata catatatgaa atacgtatgt ggagttccct 120
 agaatttcat gtgattcagt aaacagaat 149

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 <213> Zea mays

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 ctatcctata ggaattttac tataggaat 149

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 <212> DNA
 <213> Zea mays

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aataaactgc ggattctttc tttctcttc 149

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<212> DNA
<213> Zea mays

<400> 4
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<212> DNA
<213> Sorghum

<400> 5
taagttaatg aatatgtttc attcatatat aatgtgacac c 41

<210> 6
<211> 41
<212> DNA
<213> Hordeum vulgare

<400> 6
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<210> 7
<211> 41
<212> DNA
<213> Triticum aestivum

<400> 7
taggttaatg aatatgtttc attcatatat aatgcgacac c 41

<210> 8
<211> 41
<212> DNA
<213> Oryza sativa

<400> 8
tcattcatat aatatgtttc attcatatat aatgggacac c 41

<210> 9
<211> 41
<212> DNA
<213> Zea mays

<400> 9
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<210> 10
<211> 41
<212> DNA

<213> Oryza sativa

<400> 10
ctctattcat atgtatgaaa tacatatatg aaatacgtat g 41

<210> 11
<211> 39
<212> DNA
<213> Nicotinium tobacco

<400> 11
cagggttgga tgtgtattat cataataatg gtagaaatg 39

<210> 12
<211> 41
<212> DNA
<213> Zea mays

<400> 12
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<210> 13
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<213> Oryza sativa

<400> 13
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<210> 14
<211> 41
<212> DNA
<213> Triticum aestivum

<400> 14
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<210> 15
<211> 251
<212> DNA
<213> Nicotinium tobacco

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taagaaaaaa acgtgaaaac aataaactgc ggattctttc tttctcttcc attcttacgt 180
ttccatatta aagtgtagtt ttcttactta aatttaataa tattaatcta atatgcccat 240
tggtgttcca a 251

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<213> Oryza sativa

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aaaaattggt acgtttccac ctcaaagtga aatatagtat ttagttcttt ctttcattta	180
atgcctattg gtgttccaa	199

<210> 17
 <211> 283
 <212> DNA
 <213> *Oryza sativa*

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agaataagaa aaaaacgtga aaacaataaa ctgcggattc tttctttctc ttccattctt	180
acgtttccat attaaagtgt agttttctta cttaaattta ataataataa tctaataatgc	240
ccattgggtgt tccaagaatt cagttgtagg gagggatcca tgg	283

<210> 18
 <211> 77
 <212> DNA
 <213> *Marchantia polymorpha*

<400> 18	
taaataaata gaatttcatt tttacgtttt tttattatag aagagtattt tgtttgtgga	60
agaaaaaaaa aatgcct	77

<210> 19
 <211> 77
 <212> DNA
 <213> *Pinus contorta*

<400> 19	
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cattaaaaca aatgccc	77

<210> 20
 <211> 80
 <212> DNA
 <213> *Spinacia oleracea*

<400> 20	
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ttttctttca tttaatgcct	80

<210> 21
 <211> 79
 <212> DNA
 <213> *Nicotinium tobacco*

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tttctttcat ttaatgcct	79

<210> 22
 <211> 82

<212> DNA
 <213> Oryza sativa

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 <210> 23
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 <212> DNA
 <213> Zea mays

 <400> 23
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 <210> 24
 <211> 83
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 <213> Arabidopsis

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 tctttttttt tcatttcatt cct 60
 83

 <210> 25
 <211> 59
 <212> DNA
 <213> Nicotinium tobacco

 <400> 25
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 <210> 26
 <211> 35
 <212> DNA
 <213> Nicotinium tobacco

 <400> 26
 aaaaaaatt gttacgtttc cacctcaaag tgaaa 35

 <210> 27
 <211> 2141
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Chimeric uidA gene

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 tcctgtagaa accccaaccc gtgaaatcaa aaaactcgac ggcctgtggg cattcagtct 180
 ggatcgcgaa aactgtggaa ttgatcagcg ttggtgggaa agcgcgttac aagaaagccg 240
 ggcaattgct gtgccaggca gttttaacga tcagttcgcc gatgcagata ttcgtaatta 300
 tgcgggcaac gtctgggtatc agcgcgaagt ctttataacc aaagggttggg caggccagcg 360
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aactcagcaa	gcgcacttac	aggcgattaa	agagctgata	gcgcgtgaca	aaaaccaccc	1320
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taactttgta	tgacttttct	cttctatttt	tttgtatttc	ctccctttcc	ttttctattt	2100
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ccttggaagg	aaagacaatt	ccgaatccgc	tttgtctacg	aataaggaag	ctataagtaa	180
tgcaactatg	aatctcatgg					200

<210> 29
 <211> 200
 <212> DNA
 <213> Oryza sativa

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ccttggaagg	aaagacaatt	ccgaatccgc	tttgtctacg	aataaggaag	ctataagtaa	180
tgcaactatg	aatctcatgg					200

<210> 30
 <211> 61
 <212> DNA
 <213> Zea mays

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g 61

<210> 31
 <211> 60
 <212> DNA
 <213> Oryza sativa

<400> 31
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<210> 32
 <211> 133
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Prn promoter

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 gtagggaggg att 133

<210> 33
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<220>
 <223> Primer

<400> 33
 gagaggaatg gaagtgattg aca 23

<210> 34
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 34
 gagcagggtc ggtcaaatac 19

<210> 35
 <211> 22
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<220>
 <223> Primer

<400> 35
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<210> 36

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<212> DNA
 <213> Artificial Sequence

 <220>
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 <400> 41
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 <400> 50
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<210> 51
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33

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 <223> Primer

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<210> 54
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11

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 <221> variation
 <222> (0)...(0)
 <223> n at position 8 is a or g

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11